

Color: ■ blue

Through terminal block, 285 Series, power cage clamp

Our through terminal block (item number 285-184) makes connecting wires quick and easy. Ensure that the strip lengths are 35 mm when connecting conductors to this through terminal block. This product features conductor terminals and utilizes POWER CAGE CLAMP. The POWER CAGE CLAMP is a powerful, maintenance-free, and universal way to connect large conductor cross-sections. You can also use it with all conductor types. The clamping point can be locked open and you do not need to use a torque wrench or prepare the conductor in any way, e.g., by crimping the ferrule. This through terminal block is suitable for conductor cross sections ranging from 25 mm² to 95 mm². It comes with one level and two clamping points for connecting a single potential. The blue housing is made of polyamide (PA66) for insulation. These high-current terminal blocks are mounted using panel mountings and secured with a Mounting flange..

Electrical data				
Ratings per		IEC/EN 60947-7-1		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		1000 V	-	-
Rated surge voltage		12 kV	-	-
Rated current		232 A	-	-
Ratings per IEC/EN 2				
Rated voltage (III/3)		1500 V		
Rated impulse withstand voltage (III/3)		12 kV		
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		600 V	600 V	-
Rated current		200 A	200 A	-
Approvals per		CSA 22.2 No 158		
Use group		B	C	D
Rated voltage		1000 V	1000 V	-
Rated current		210 A	-	-
Power Loss				
Power loss, per pole (potential)		7.5354 W		
Rated current I _N for specified power loss		232 A		
Resistance value for specified, current-dependent power loss		0.00014 Ω		
General information				
Voltage type 1		AC/DC		
Voltage type 2		DC		



Connection data		
Clamping units	2	
Total number of potentials	1	
Number of levels	1	
Number of jumper slots	2	
Connection 1		
Connection technology	POWER CAGE CLAMP	
Actuation type	T-wrench; 8 mm	
Connectable conductor materials	Copper	
Nominal cross-section	95 mm²	
Solid conductor	25 ... 95 mm² / 4 ... 4/0 AWG	
Stranded conductor	25 ... 95 mm² / 4 ... 4/0 AWG	
Fine-stranded conductor	25 ... 95 mm² / 4 ... 4/0 AWG	
Fine-stranded conductor; with insulated ferrule	25 ... 95 mm² / 4 ... 4/0 AWG	
Fine-stranded conductor; with uninsulated ferrule	25 ... 95 mm² / 4 ... 4/0 AWG	
Strip length	35 mm / 1.38 inches	
Wiring direction	Side-entry wiring	

Physical data		
Width	25 mm / 0.984 inches	
Height from the surface	108 mm / 4.252 inches	
Depth	145 mm / 5.709 inches	

Mechanical data		
Mounting type	Mounting flange Panel mounting	
Marking level	Side marking	

Material data		
Note (material data)	Information on material specifications can be found here	
Color	blue	
Material group	I	
Insulation material (main housing)	Polyamide (PA66)	
Flammability class per UL94	V0	
Fire load	3.754 MJ	
Weight	267.1 g	

Environmental requirements		
Processing temperature	-35 ... +85 °C	
Continuous operating temperature	-60 ... +105 °C	

Commercial data		
eCl@ss 10.0	27-14-11-20	
eCl@ss 9.0	27-14-11-20	
ETIM 9.0	EC000897	
ETIM 8.0	EC000897	
PU (SPU)	5 pcs	
Packaging type	Box	
Country of origin	PL	
GTIN	4055143583947	
Customs tariff number	85369010000	



Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7707	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CSA DEKRA Certification B.V.	C22.2	154112	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-105562			
UL Underwriters Laboratories Inc.	UL 1059	E45172			

Approvals for marine applications

Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	EN 60947	20-HG1941090-PDA
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2




Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 285-184	

Documentation

Additional Information				Bid Text			
Technical Section	pdf 2246.92 KB			285-184	19.02.2019	xml 3.19 KB	
				285-184	04.01.2018	doc 23.50 KB	



CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 285-184	EPLAN Data Portal 285-184
	
	ZUKEN Portal 285-184
	

1 Compatible Products
1.1 Optional Accessories
1.1.1 Cover
1.1.1.1 Cover



Item No.: 285-169
Finger guard; touchproof cover protects unused conductor entries and jumper slots; for 95 mm² high-current tbs; yellow

1.1.2 Current and voltage tap
1.1.2.1 Current and voltage tap



Item No.: 855-951/250-000
Current and voltage tap up to 95 mm²; Primary rated current: 250 A; Secondary rated current: 1 A; Rated power: 0.2 VA; Accuracy class: 0.5; fused

1.1.3 Ferrule
1.1.3.1 Ferrule



Item No.: 216-435
Ferrule; Sleeve for 50 mm² / AWG 1; unisolated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

1.1.4 Installation
1.1.4.1 Mounting accessories



Item No.: 285-168
Fixing element; for 95 mm² high-current terminal blocks; orange



1.1.5 Jumper

1.1.5.1 Jumper



Item No.: 285-495
Jumper; insulated; gray

1.1.6 Marking

1.1.6.1 Group marker carrier



Item No.: 249-105
Group marker carrier; gray

1.1.6.2 Marker



Item No.: 793-5501/000-006
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue



Item No.: 793-5501/000-017
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green



Item No.: 793-5501
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white



Item No.: 793-501/000-023
WMB marking card; as card; not stretchable; plain; snap-on type; green



Item No.: 793-501/000-024
WMB marking card; as card; not stretchable; plain; snap-on type; violet



Item No.: 2009-115/000-007
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray



Item No.: 2009-115/000-005
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red



Item No.: 793-5501/000-014
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown



Item No.: 793-5501/000-012
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange



Item No.: 793-5501/000-002
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow



Item No.: 793-501/000-017
WMB marking card; as card; not stretchable; plain; snap-on type; light green



Item No.: 793-501
WMB marking card; as card; not stretchable; plain; snap-on type; white



Item No.: 2009-115/000-023
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green



Item No.: 2009-115/000-024
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet



Item No.: 793-5501/000-007
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray



Item No.: 793-5501/000-005
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red



Item No.: 793-501/000-006
WMB marking card; as card; not stretchable; plain; snap-on type; blue



Item No.: 793-501/000-012
WMB marking card; as card; not stretchable; plain; snap-on type; orange



Item No.: 793-501/000-002
WMB marking card; as card; not stretchable; plain; snap-on type; yellow



Item No.: 2009-115/000-017
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green



Item No.: 2009-115
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



Item No.: 793-5501/000-023
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green



Item No.: 793-5501/000-024
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet



Item No.: 793-501/000-007
WMB marking card; as card; not stretchable; plain; snap-on type; gray



Item No.: 793-501/000-005
WMB marking card; as card; not stretchable; plain; snap-on type; red



Item No.: 2009-115/000-006
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue



Item No.: 2009-115/000-012
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange



Item No.: 2009-115/000-002
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

1.1.6.3 Marker carrier



Item No.: 285-442
Adaptor; gray

1.1.7 Power tap

1.1.7.1 Power tap



Item No.: 285-407
Power tap; for 95 mm² high-current tbs;
gray

1.1.8 Protective warning marker

1.1.8.1 Cover



Item No.: 285-170
Protective warning marker; with high-vol-
tage symbol, black; yellow



Item No.: 285-175
Protective warning marker; yellow

1.1.9 Tool

1.1.9.1 Operating tool



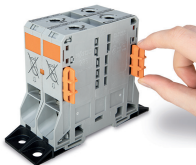
Item No.: 285-172
Allen wrench; with a partially insulated
shaft; green



Item No.: 285-173
Allen wrench; with a partially insulated
shaft; with anti-rotation protection; green

Installation Notes

Installation



Optionally, insert block-to-block connec-
tor (285-168) into housing slot.



Align and snap high-current, through ter-
minal blocks together.

